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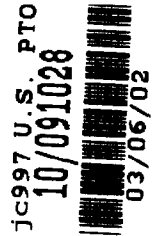
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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Akihiro DENDA
Yoshiya NONAKA

03/06/02

2. Name and address of receiving party(ies):
PIONEER CORPORATION
4-1, Meguro 1-chome, Meguro-ku, Tokyo, Japan



Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: March 5, 2002

Additional name(s) & address(es) attached? Yes No

4. Application number(s) or patent number(s):
If this document is being filed together with a new application, the execution date of the application is: March 5, 2002
A. Patent Application No.(s)
B. Patent No.(s)
Additional numbers attached? Yes No

6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 3.41): \$40.00
 Enclosed. Please charge any underpayment in connection with this Assignment to Deposit Account No. 19-4880.
 Authorized to be charged to deposit account
8. Deposit account number: 19-4880
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5. Name and address of party to whom correspondence concerning document should be mailed:
SUGHRUE MION, PLLC
2100 Pennsylvania Avenue, N.W.
Suite 800
Washington, D.C. 20037-3213

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9. Statement and signature.
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

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PATENT
REEL: 012671 FRAME: 0748

ASSIGNMENT

Whereas, I/we Akihiro DENDA and Yoshiya NONAKA
both of Saitama, Japan

hereinafter called assignor(s), have invented certain improvements in ^A
INFORMATION REPRODUCTION APPARATUS AND METHOD FOR ERASING
PROGRAM DATA
and executed an application for Letters Patent of the United States of America therefor on

March 5, 2002 ; and

Whereas, PIONEER CORPORATION of
4-1, Meguro 1-chome, Meguro-ku, Tokyo, Japan

(assignee), desires to acquire the entire right, title and interest in the application and invention, and to
any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged.

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named
assignee, its successors and assigns, the entire right, title and interest in the application and the
invention disclosed therein for the United States of America, including the right to claim priority under
35 U.S.C. § 119, and I/we request the Director - U.S. Patent and Trademark Office to issue any
Letters Patent granted upon the invention set forth in the application to the assignee, its successors
and assigns; and I/we will execute without further consideration all papers deemed necessary by the
assignee in connection with the United States application when called upon to do so by the assignee.

I/We hereby authorize and request my/our attorneys SUGHRUE MION, PLLC of 2100
Pennsylvania Avenue, N.W., Washington, D.C. 20037-3213 to insert here in parentheses (Application
number _____, filed _____) the filing date and application
number of said application when known.

Date: March 5, 2002 s/ Akihiro Denda

Date: March 5, 2002 s/ Yoshiya Nonaka

Date: s/ _____

Date: s/ _____

Date: s/ _____

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)